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 Composite membrane of crosslinked sulphonated polysaccharide -
 has skin layer obtd. by reacting water soluble polysaccharide confg.
 sulphonate or sulphonic acid gp. and polyfunctional epoxy cpd.
 C88-083944

Composite membrane has a skin layer of crosslinked prod. generated
 by the reaction of water soluble polysaccharide having sulphonate
 and/or sulphonic acid gp. and polyfunctional epoxy cpd. wt. ratio of
 polysaccharide to epoxy is 97/3 to 80/20.

A thickness of the skin layer is 3 microns or less. Water soluble
 polysaccharide is sulphoethyl cellulose or its alkali salt.
 Polyfunctional epoxy cpd. is hydrophilic.

Prod. the porous base material is polysulphone, polyether sulphone,
 polyacrylonitrile, polycarbonate, etc. Zinc borofluoride is used as
 the crosslinking promotor.

USE/ADVANTAGE - Used in aq. soln. of organic cpd. or vapour
 mixt. of organic cpd., and water for sepn. procedures. Good heat and
 water resistance and a high permeation and sepn. coefft. over a wide
 range of concns. of organic solns. (ipp Dwg.No.0/0)

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